INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

1 Choose the correct answer:

1 Fred Hiebert is an .... and explorer in National Geographic.

    a. artist
    b. architect
    c. archaeologist

2 Fred Hiebert uses .... to write reports about archaeological sites.

    a. MS Word
    b. MS Excel
    c. MS PowerPoint

3 Printed letters and e-mails are used to communicate in a .... way.

    a. normal
    b. formal
    c. informal

4 .... is training someone on a subject you have a lot of experience in.

    a. Communication
    b. Mentoring
    c. Studying

5 .... are easy to present the information clearly.

    a. Tables
    b. Documents
    c. Slides

6 Mr. Hiebert prefers .... to communicate with others.

    a. virtual meetings
    b. face-to-face meetings

    c. TV programs

7 Mr. Hiebert holds .... using platforms, like Zoom and WhatsApp.

    a. virtual meetings
    b. face-to-face meetings

    c. TV programs

8 Mr. Hiebert uses MS Excel to prepare ....

    a. reports
    b. presentations
    c. graphs

9 Students who need further explanation of a lesson can use ....

    a. libraries
    b. books
    c. YouTube channels

10 Time difference between countries is a great problem during ....

    a. face-to-face meetings

    b. virtual meetings
    c. sending e-mails

2 Put (✓) or (✗):

1. Fred Hiebert is an explorer in National Geographic. ( )

2. Mr. Hiebert prefers virtual meetings for communication. ( )

3. Mr. Hiebert uses face-to-face meetings during his expedition. ( )

4. Mentoring is a great way to pass on information and skills. ( )

5. Technology has not helped to share information in our

   day-to-day lives. ( )

6. Mr. Hiebert uses Excel spreadsheet program to write reports. ( )

7. Students who missed a lesson can study it through Madrasitna. ( )

8. We use documents to read the results easily and clearly. ( )

9. Using Zoom and WhatsApp is called face-to-face meetings. ( )

10. We use the PowerPoint program as a formal way to communicate.

    ( )

3 Complete the missing parts using the words between the brackets:

(formal – archaeologist – spreadsheet – virtual meetings –

Madrasitna channel)

1. You can use .... when the other people are in different countries.

2. A .... is used to prepare graphs and tables.

3. Handing over documents in person is a .... way of communicatio.

4. Mr. Hiebert is an .... and explorer in National Geographic.

5. Students who would just like a quick review can use ....

CamScanner

5 **Choose from column (A) what suits it in column (B):**

A

Column (A)	Column (B)
1 Face-to-face meetings	**a.** Mr. Hiebert uses this way of communication during expeditions.
2 Virtual meetings	**b.** is a formal way to communicate with your teamwork.
3 Mentoring	**c.** Mr. Hiebert prefers this way of communication.
4 E-mails	**d.** is a great way to pass on knowledge and skills

1 ....   **2** ....   **3** ....   **4** ....

B

Column (A)	Column (B)
1 Zoom	**a.** is used to present results and information.
2 MS Word	**b.** is used to prepare graphs.
3 MS Excel	**c.** is used to hold virtual meetings.
4 PowerPoint	**d.** is used to write reports and documents.

1 ....   **2** ....   **3** ....   **4** ....

1 **Choose the correct answer:**

1. _____ is used to restore or to transfer files and data between computers.

   a. HDMI   b. CPU   c. Flash memory

2. _____ is the same as a hard disk drive, but it runs faster.

   a. External hard disk   b. Flash memory   c. Router

3. _____ is a device that connects a computer to the internet via Wi-Fi.

   a. Ethernet cable   b. Router   c. Ethernet port

4. _____ is a cable that transmits sound and image to and from devices.

   a. Ethernet cable   b. HDMI   c. Router cable

5. A _____ is the smallest unit of data on your computer.

   a. Mbps   b. byte   c. bit

6. A _____ measures the speed of a network or internet connection.

   a. gigahertz   b. Mbps   c. byte

7. A _____ measures the number of cycles your CPU carries out per second.

   a. gigahertz   b. Mbps   c. byte

8. To write the word "apple"; you need _____ to represent it in a computer system.

   a. 5 bits   b. 5 bytes   c. 8 bits

9. Which problem would you use Ethernet cable to solve?

   a. Not able to store files.

   b. A poor video-conference connection.

   c. Trouble processing large files.

⑩ Which one represents the correct arrangement of these measuring units of a computer (from the biggest to the smallest)?

a. Terabyte - Megabyte - Gigabyte

b. Byte - Kilobyte - Megabyte

c. Megabyte - Kilobyte - Byte

2 Put (✓) or (✗):

① We use flash memory to store, transfer, and share information online. ( )

② HDMI is a wire that connects a computer or laptop with the router. ( )

③ An Ethernet cable transmits audio and video to and from devices. ( )

④ Megabits per second (Mbps) are used to measure network speed. ( )

⑤ The more cycles that a CPU performs, the faster data can be processed. ( )

⑥ Ethernet port is more stable and faster than Wi-Fi. ( )

⑦ The word 'ICT' has 3 bits only. ( )

⑧ Not having enough space does not cause problems in handling large files. ( )

⑨ To solve the not enough space issue, you must move some files to an external drive. ( )

⑩ To solve the problem of home internet not working, you use an Ethernet or contact your internet service provider. ( )

Complete the missing parts using the words between the brackets:

(flash memory - HDMI - Ethernet cable - Router)

① A _____ stores information.

② _____ connects your computer or laptop to the router.

③ _____ connects the computer to the internet via Wi-Fi or Ethernet.

④ _____ is a cable that transmits audio and video to and from devices.

Choose from column (A) what suits it in column (B):

A

Column (A) Measuring unit	Column (B) Equals (=)
1 Byte	a. 1,024 kilobytes.
2 Megabyte	b. 1,024 bytes.
3 Gigabyte	c. 1,024 gigabytes.
4 Kilobyte	d. 1,024 megabytes.
	e. 8 bits

1 _____ . 2 _____ . 3 _____ . 4 _____

B

Column (A) Problem	Column (B) Solution
1 A poor video-conference connection.	a. Shut down some programs.
2 Not able to store files.	b. Try an Ethernet connection
3 Not enough graphics storage.	c. Move old files to an external drive.

1 _____ . 2 _____ . 3 _____ .

1 Choose the correct answer:

1. .... connect computers together to share the important information.
   a. Computer accessories
   b. Computer networks
   c. Computer hardware

2. .... consists of a computer connected to a printer or a router.
   a. Internet   b. Intranet   c. LAN

3. Router is considered a ....
   a. famous browser
   b. antivirus
   c. gateway for internet

4. .... is a network that connects computers from all around the world.
   a. Internet   b. Intranet   c. LAN

5. .... is a device that connects your computer to an ISP.
   a. Ethernet cable   b. Router   c. Ethernet port

6. .... is private and restricted to only those that are part of the business, school, or organization that it is connecting.
   a. Internet   b. Intranet   c. LAN

7. .... is a part of the internet network, made up of web pages and sites that people can navigate.
   a. Video chat   b. Search engine   c. World Wide Web

8. A school's computer lab is an example for ....
   a. open network   b. closed network   c. internet

9. .... is available for free to all Egyptians registered on the site.
   a. EKB   b. Google Chrome   c. Wikipedia

10 _____ allows the phone and the internet to be used simultaneously.

    a. Dial-up internet connection

    b. Digital subscriber line

    c. World Wide Web

Put (✓) or (✗):

1 Computer networks connect computers to each other; to share important information and data.   ( )

2 A local computer network (LAN) is a network that connects computers from all over the world.   ( )

3 A cable is a long connector that transfers data or power between devices.   ( )

4 To connect a computer to the internet, a gateway must be used.   ( )

5 The World Wide Web (WWW) is a part of intranet.   ( )

6 The internet is a private network that is restricted to some people.   ( )

7 Hotspots appeared after the year 2000.   ( )

8 Hotspot allows you to access the internet anywhere from your smartphone.   ( )

Complete the missing parts using the words between the brackets:

(WWW – Router – DSL – ISP – LAN – EKB)

○ _____ enables you to connect your laptop to the internet.

○ _____ consists of one computer connected to a printer or a router.

○ _____ is a part of the internet network, made up of web pages and sites.

○ _____ is the internet service provided by Egyptian companies to citizens.

_____ is available for free to all Egyptians who register on the site.

_____ allows the phone and the internet to be used simultaneously.

4 **Choose from column (A) what suits it in column (B):**

Column (A)	Column (B)
1 Router	**a.** is a part of the internet network, made up of web pages and sites
2 Internet	**b.** is a computer network between some people in the same work.
3 Intranet	**c.** connects your computer to an ISP.
4 WWW	**d.** is a computer network between people all over the world.

1 ....   **2** ....   **3** .... ,   **4** ....

5 **Complete the following sentences:**

1 Internet and intranet are similar in ....

2 .... is the connection of two or more computers together to transfer data and information.

3 Local Area Network could be at .... or ....

4 .... is a network that connects computers and people using them from all around the world.

5 To connect your computer to an ISP, you need .... as a router.

6 .... is a part of the internet network, made up of web sites.

7 .... is a library available for free to all Egyptians who register on it.

8 .... is private and restricted to only those that are part of the business, school, or organization that it is connecting.

9 .... is a long connector that transmits data or power between devices

10 A school lab's computer is considered a ....

6 **Complete the following diagram::**

....

Open computer network   ....   Closed computer network

① Choose the correct answer:

① Organizations use computer .... networks to share private information.

   a. open   b. closed   c. public

② The .... consists of devices linked to the internet via Wi-Fi.

   a. CPU   b. IoT   c. DSL

③ .... is a networking technology that connects wireless mobile devices.

   a. Bluetooth   b. Ethernet cable   c. Router

④ The .... consists of household devices that are connected to Wi-Fi.

   a. bluetooth   b. Internet   c. Internet of Things

⑤ Visually impaired people can use .... for doing their homework.

   a. braille   b. screen readers   c. Zoom

⑥ Braille method allows blind people to ....

   a. write   b. read   c. speak

⑦ You can use .... applications to buy anything on the internet.

   a. browser   b. braille   c. e-commerce

② Put (✓) or (✗):

① Humans and organizations communicate every day using computer networks.   (

② People of determination cannot communicate and follow their lessons online.   (

③ We can upload videos using computer networks.   (

④ We can turn on and off home appliances connected to the internet from another place.   (

⑤ Braille helps blind students to write reports and do their homework.

(

⑥ Always ask a permission from your parents before buying anything online.

(

⑦ It is difficult for household appliances to be part of a network. (

⑧ Digital washing machine is an example of the "Internet of Things".

(

3 **Read the following scenarios, then mention the device needed:**

① Amira is visually impaired and wants to read a science book.

_____

② Esraa is visually impaired and wants to search for files on her PC.

_____

③ Adham wants to buy a sport shoes from the internet.

_____

4 **Choose from column (A) what suits it in column (B):**

Column (A)	Column (B)
1 A digital refrigerator	a. are used by a blind person to read.
2 Screen readers	b. is used to sell your smartphone online
3 Braille	c. is an example for IoT.
4 E-commerce	d. is used by people of determination to write research.

① _____ .   ② _____ .   ③ _____ .   ④ _____ .

Theme 1

Lesson ① Exercises

1
① c ② a ③ b ④ b ⑤ c
⑥ b ⑦ a ⑧ c ⑨ c ⑩ b

2
① ✓ ② ✗ ③ ✗ ④ ✓ ⑤ ✓
⑥ ✗ ⑦ ✓ ⑧ ✗ ⑨ ✗ ⑩ ✗

3
① virtual meeting
② spreadsheet
③ formal
④ archaeologist
⑤ Madrasitna channel

4
① Power point ② MS Excel
③ Formally ④ Virtual meeting
⑤ Zoom

5 Table (A):
① c ② a ③ d ④ b
Table (B):
① c ② d ③ b ④ a

Lesson ② Exercises

1
① c ② a ③ b ④ b ⑤ c
⑥ b ⑦ a ⑧ b ⑨ b ⑩ c

2
① ✗ ② ✗ ③ ✗ ④ ✓ ⑤ ✓
⑥ ✓ ⑦ ✗ ⑧ ✗ ⑨ ✓ ⑩ ✓

3
① flash memory
② Ethernet Cable
③ Router ④ HDMI

4 Table (A):
① e ② a ③ d ④ b
Table (B):
① b ② c ③ a

5
① Move old files to an external drive.
② Try an Ethernet connection.
③ Shut down some programs.

Lesson ③ Exercises

1
① b ② c ③ c ④ a ⑤ b
⑥ b ⑦ c ⑧ b ⑨ a ⑩ b

2
① ✓ ② ✗ ③ ✓ ④ ✓ ⑤ ✗
⑥ ✗ ⑦ ✓ ⑧ ✓

3
① Router ② LAN ③ WWW
④ ISP ⑤ EKB ⑥ DSL

4
① c ② d ③ b ④ a

5
① sharing information.
② Computer network
③ home - school.

• Model **Answers**

④ Internet ⑤ gateway

⑥ World Wide Web

⑦ EKB ⑧ Intranet

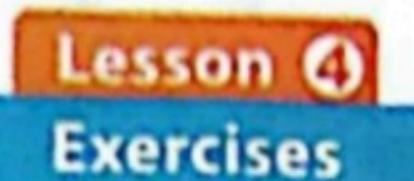⑨ Cable ⑩ closed network

⑥

Internet	Intranet
Open computer network	Closed computer network

Share Information

Lesson ④
Exercises

① ① b ② b ③ a ④ c
  ⑤ b ⑥ b ⑦ c

② ① ✓ ② ✗ ③ ✓ ④ ✓
  ⑤ ✗ ⑥ ✓ ⑦ ✗ ⑧ ✓

③ ① Braille ② Screen readers
  ③ E-commerce

④ ① c ② d ③ a ④ b